

PATENT
37310-000125

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Sungho JIN et al.

Serial No.: 09/338,520

Filed: June 23, 1999

For: CATHODE WITH IMPROVED WORK FUNCTION AND METHOD
FOR MAKING THE SAME



Group: 2879

Examiner: T. Clove

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

November 28, 2001

Dear Sir:

Responsive to the non-final Office Action dated August 28, 2001, please enter the following amendments and comments.

IN THE CLAIMS

Please cancel claim 5 without prejudice or disclaimer of the subject matter contained therein.

Please amend the claims as follows:

1. (Amended) A thermoionic cathode, comprising:

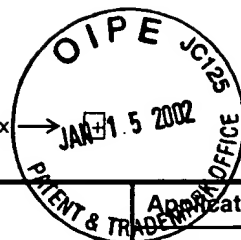
a substrate;

an emissive layer; and

a buffer, located between said substrate and said emissive layer, said buffer inhibiting interaction of said emissive layer and said substrate by way of one of altering, blocking, and altering and blocking said substrate.

2. (Amended) The thermoionic cathode of claim 1, wherein said buffer alters said substrate by randomizing a crystallographic orientation of a grain structure at a surface of said substrate contacting said buffer.

Please type a plus sign (+) inside this box



HDP/SB/21 based on PTO/SB/21 (08-00)

GP #2879

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | |
|------------------------|-------------------|
| Application Number | 09/338,520 |
| Filing Date | June 23, 1999 |
| First Named Inventor | Sungho JIN et al. |
| Group Art Unit | 2879 |
| Examiner Name | T. Clove |
| Attorney Docket Number | 37310-000125 |

Total Number of Pages in This Submission

15

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☒ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers (for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) _____

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify below):

Drawing Change Authorization Request and Change of Address

Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 50-1735. A duplicate copy of this sheet is enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name

Harness, Dickey & Pierce, P.L.C.

Attorney Name
John A. Castellano

Reg. No.
34,094

Signature

[Handwritten Signature] #46,175

Date

November 28, 2001

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.

Typed or printed name

John A. Castellano

Signature

[Handwritten Signature] Timothy R. Wyckoff

Date

November 28, 2001